



Missouri Department of Natural Resources
Air Pollution Control Program

PERMIT TO OPERATE

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to operate the air contaminant source(s) described below, in accordance with the laws, rules, and conditions set forth here in.

Operating Permit Number:

Expiration Date:

Installation ID: 077-0004

Project Number: 1999-08-046

Installation Name and Address

Carlisle Power Transmission Products, Inc.
2601 West Battlefield Road
Springfield, MO 65807
Greene County

Parent Company's Name and Address

Carlisle Power Transmission Products, Inc.
P.O. Box 3258
2601 West Battlefield Road
Springfield, MO 65807

Installation Description:

Carlisle Power Transmission Products Incorporated is a rubber processing and rubber product manufacturing installation. The primary rubber products are power transmission belts, automotive belts, and industrial belts for a wide variety of industrial uses. The rubber processing activities include cutting, grinding, mixing and coating.

Effective Date

Director or Designee
Department of Natural Resources

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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

Carlisle Power Transmission Products Incorporated is a rubber processing and rubber product manufacturing installation. The primary rubber products are power transmission belts, automotive belts, and industrial belts for a wide variety of industrial uses. The rubber processing activities include cutting, grinding, mixing, and coating.

Reported Air Pollutant Emissions, tons per year							
Year	Particulate Matter ≤ Ten Microns (PM-10)	Sulfur Oxides (SO _x)	Nitrogen Oxides (NO _x)	Volatile Organic Compounds (VOC)	Carbon Monoxide (CO)	Lead (Pb)	Hazardous Air Pollutants (HAP's)
1996	16.23	166.87	34.51	175.12	3.87	-	20.75
1997	18.38	88.03	29.86	179.39	4.02	-	21.71
1998	21.96	145.79	38.51	156.84	4.30	-	18.85
1999	29.47	123.34	33.94	163.02	5.68	-	20.88
2000	13.60	103.78	29.46	120.10	5.50	-	20.23
2001	12.26	131.46	33.43	56.88	4.52	-	17.10
2002	14.36	155.85	37.88	92.95	3.95	-	15.73

EMISSION UNITS WITH LIMITATIONS

The following list provides a description of the equipment at this installation that emit air pollutants and which are identified as having unit-specific emission limitations.

Emission Unit #	Description of Emission Unit
EU0010	Raw Edge V Band (EP-02)
EU0011	Raw Edge V Band (EP-03)
EU0020	Norton Grinder (EP-05)
EU0030	Sag/Profiler/Skiver/Grinder (EP-25)
EU0040	Sag/Profiler/Skiver/Grinder (EP-26)
EU0050	Sag/Profiler/Skiver/Grinder (EP-27)
EU0060	Form Grinder (EP-33)
EU0070	Timesaver Grinder (EP-08)
EU0080	Poly Rib Profiler (EP-28)
EU0090	Poly Rib Profiler (EP-29)
EU0100	Boiler 1 (EP-07)
EU0110	Boiler 2 (EP-09)
EU0120	Boiler 3 (EP-10)
EU0130	Banbury BodyMixing (EP-11)
EU0140	Twin Screw Mixing (EP-11)
EU0150	3-C Cord Machine- Natural Gas fired Oven Stack No. 3 (EP-15)
EU0160	3-C Cord Machine- Natural Gas fired Oven Stack No. 4 (EP-13)
EU0180	Mill Mixing (EP-20)
EU0190	Neoprene Hopper Vent (EP-37)
EU0200	Pre Compound (EP-38)
EU0210	Carbon Black Unloading and Storage (EP-40)

EMISSION UNITS WITHOUT LIMITATIONS

The following list provides a description of the equipment that does not have unit specific limitations at the time of permit issuance.

Description of Emission Source

42 inch Industrial Raw Edge Belt Machine & Curing Line, Platten Press Belt Building Process (EP-36)
Spreader Doctor Knife (EP-21)
Spreader Oven Operation (EP-22)
Dip Tank Fabric Spreader (Cement House: EP-23)
Oven-Fabric Spreader (Cement House: EP-24)
Small Raw Edge Spray Booths (EP-30, EP-31 and EP-32)
3-C Cord Machine- Oven Stack No. 1 (EP-19)
3-C Cord Machine- Oven Stack No. 2 (EP-18)
Chem Lab Test Area (IEP-06)
R&D - Hose Test Area; Tensioner Test Area (IEP-05)
R&D- Automotive Belt Test Area (IEP-04)
R&D Banbury Mix, Mill Mix and Compounding (EP-35)
270 Gallon Ethyl Acetate Totes (EP-T2)
270 Gallon Heptane Totes (EP-T3)
300,000-Gallon No.6 Fuel Oil Storage Tank installed in 1974 (EP-6F)
285,000-Gallon No.6 Fuel Oil Storage Tank installed in 1973 (EP-7F)
10,000-Gallon Toluene Storage Tank (EP-T1)
500 gallon No.2 Fuel Oil Storage Tank (EP-T5)
Three 10,000 Gallon Refined Oil Storage Tanks (IEP-01)
Rebrand Area (IEP-02)
Fabric Drying and Hot Rooms (IEP-03)
Belt Branding (IEP-03)
Creel Room (IEP-03)
Belt Humidor Units (IEP-03)
Propane Filling Station (New Emission Point)
Water Based Coatings Spray Booths (New Emission Point)
Three Grit Blasters (New Emission Points)
Emergency Generator rated at 0.96 MMBTU/hr (EP-39)

DOCUMENTS INCORPORATED BY REFERENCE

These documents have been incorporated by reference into this permit.

- 1) Air Pollution Control Authority, Springfield Construction Permit No. 1199-206D
- 2) Air Pollution Control Authority, Springfield Construction Permit No. 1096-189D (amended October 6, 1999)

II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements.

Permit Condition PW001

10 CSR 10-6.170

Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin

Emission Limitation:

- 1) The permittee shall not cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line or origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the director;
- 2) The permittee shall not cause nor allow to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.
- 3) Should it be determined that noncompliance has occurred, the director may require reasonable control measures as may be necessary.

Monitoring:

- 1) The permittee shall conduct inspections of its facilities sufficient to determine compliance with this regulation. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. If a violation of this regulation is discovered, the source shall undertake corrective action to eliminate the violation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner to the initial monitoring frequency.

Record Keeping:

A log must be maintained noting the following:

- 1) Whether air emissions (except water vapor) remain visible in the ambient air beyond the property line of origin.
- 2) Whether the visible emissions were normal for the installation.
- 3) Equipment malfunctions which cause an exceedance of 10 CSR 10-6.170.
- 4) Any violations of 10 CSR 10-6.170 and any corrective actions undertaken to correct the violation.

Attachment A contains a log including these record keeping requirements. This log, or an equivalent created by the permittee, must be used to certify compliance with this requirement.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition PW002

10 CSR 10-6.065

Operating Permits

Voluntary Permit Condition, 10 CSR 10-6.065(6)(C)2.A

Emission Limitation:

- 1) This installation shall emit less than ten tons of any individual hazardous air pollutant in any 12 month rolling period.
- 2) This installation shall emit less than 25 tons of any combination of hazardous air pollutants in any 12-month rolling period.

Monitoring/Record Keeping:

- 1) The permittee shall maintain an accurate record of HAP's emitted into the atmosphere from the installation. The permittee shall use Attachment J, "Monthly Combined HAP Emission Tracking Record", and Attachment K, "Monthly Individual HAP Emission Tracking Record", or equivalent forms to verify compliance with the emission limitations listed above.
- 2) The permittee shall maintain all records required by this permit, on-site, for the 60 most recent months and shall immediately make such records available to any Missouri Department of Natural Resources' personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements.

EU0010 and EU0011 Raw Edge V Band Grinders	
General Description:	EU0010: Raw Edge V Band Grinding. Emissions controlled by a Fabric Filter and Cyclone EU0011: Raw Edge V Band Grinding. Emissions controlled by a Fabric Filter and Cyclone
Manufacturer/Model #:	Unknown
EQ Reference # (2002):	EP-02 and EP-03

Permit Condition (EU0010 and EU0011)-001

10 CSR 10-6.400

Restriction of Emission of Particulate Matter from Industrial Processes

Article VI- Springfield-Greene County, Air Pollution Control Authority

Restriction of Emission of Particulate Matter from Industrial Processes

Emission Limitation:

1. Particulate matter shall not be emitted from this emission unit in excess of that allowed by the formula: $PM \text{ lb/hr} = 4.10P^{0.67}$, where P is the process weight in tons/hr. The limit is 1.75 lb/hr.
2. The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring:

Fabric Filter and Cyclone:

- 1) The permittee shall monitor the pressure drop across the control device at all times that it is in operation.
- 2) The operating pressure drop range shall be within a range of 10 to 25 inches of water. If the pressure drops fails the operating range, corrective action shall be taken within eight hours to return the pressure drop to the specified range.
- 3) All instruments and control equipment shall be calibrated, maintained, and operated according to the manufacturer specifications.

Record Keeping:

- 1) The permittee shall maintain records of the inspections of fabric filters and/or cyclone, when they occur and any action resulting from the inspections.
- 2) The permittee shall maintain records on the replacement of fabric filters.
- 3) Attachments H and I contain logs including these record-keeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition (EU0010 and EU0011)-002

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants

Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

EU0020 Norton Grinder	
General Description:	Norton Grinder. Emissions controlled by a Rotoclone.
Manufacturer/Model #:	Norton/Model No. Unknown
EQ Reference # (2002):	EP-05

Permit Condition EU0020-001

10 CSR 10-6.400

Restriction of Emission of Particulate Matter from Industrial Processes

Article VI- Springfield-Greene County, Air Pollution Control Authority

Restriction of Emission of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from this emission unit in excess of that allowed by the formula: $PM\ lb/hr = 4.10P^{0.67}$, where P is the process weight in tons/hr. The limit is 3.59 lb/hr.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring / Record Keeping / Reporting:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. Appendices M and N may be used to satisfy this record keeping requirement.
- 2) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 3) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition EU0020-002

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants

Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

EU0030 through EU0050 Sag/Profiler/Skiver/Grinder	
General Description:	Rubber processing like cutting and profiling. Emissions controlled by a Rotoclone.
Manufacturer/Model #:	Unknown
EQ Reference # (2002):	EU0030 EP-25 EU0040 EP-26 EU0050 EP-27

Permit Condition (EU0030 through EU0050) - 001
10 CSR 10-6.400 Restriction of Emission of Particulate Matter from Industrial Processes Article VI- Springfield-Greene County, Air Pollution Control Authority Restriction of Emission of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from this emission unit in excess of that allowed by the formula:
 $PM \text{ lb/hr} = 4.10P^{0.67}$, where P is the process weight in tons/hr. The limit is 0.67 lb/hr for each of these three emissions units.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring / Record Keeping / Reporting:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. Appendices M and N may be used to satisfy this record keeping requirement.
- 2) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 3) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition (EU0030 through EU0050)-002

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants

Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

EU0060 Form Grinder	
General Description:	Grinder. Emissions controlled by a rotoclone.
Manufacturer/Model #:	Unknown
EQ Reference # (2002):	EP-33

Permit Condition EU0060-001

10 CSR 10-6.400

Restriction of Emission of Particulate Matter from Industrial Processes
Article VI- Springfield-Greene County, Air Pollution Control Authority
Restriction of Emission of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from this emission unit in excess of that allowed by the formula: $PM \text{ lb/hr} = 4.10P^{0.67}$, where P is the process weight in tons/hr. The limit is 1.3 lb/hr.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring:

- 1) The permittee shall monitor the water level in the water control box once per operating day, checking to see if the water is at or over the running level weir at all times the rotoclone is in operation.
- 2) The permittee shall monitor the pressure drop across the fan suction system of the rotoclone that is connected to emission units once per operating day.
- 3) The permittee shall monitor and document the pressure drop on the suction side of the fan suction system on a weekly basis. The operating pressure drop range shall be between 6-11 inches of water. If the pressure drops fails the operating range, corrective action shall be taken within eight hours to return the pressure drop to the specified range.
- 4) All instruments and control equipment shall be calibrated, maintained, and operated according to the manufacturer specifications.

Record Keeping:

- 1) The permittee shall maintain a written record of the inspection of the control device and any action resulting from the inspection.
- 2) The permittee shall keep a daily record of the pressure drop across the rotoclone and water level in the rotoclone.
- 3) Attachments F, and G contain a log including these record keeping requirements. This log, or an equivalent created by the permittee, must be used to certify compliance with this requirement.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition EU0060-002

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants

Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

EU0070 Timesaver Grinder	
General Description:	Rubber Grinding. Emissions controlled by Cyclones.
Manufacturer/Model #:	Unknown
EQ Reference # (2002):	EP-08

Permit Condition EU0070-001

10 CSR 10-6.400

Restriction of Emission of Particulate Matter from Industrial Processes

Article VI- Springfield-Greene County, Air Pollution Control Authority

Restriction of Emission of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from this emission unit in excess of that allowed by the formula: $PM \text{ lb/hr} = 4.10P^{0.67}$, where P is the process weight in tons/hr. The limit is 3.59 lb/hr.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring / Record Keeping / Reporting:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. Appendices M and N may be used to satisfy this record keeping requirement.
- 2) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 3) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition EU0070-002

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants

Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-

- c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

EU0080 through EU0090 Poly Rib Profiler	
General Description:	Rubber product profiling. Emissions controlled by a medium efficiency cyclone, low temperature fabric filter and a mist eliminator.
Manufacturer/Model #:	Unknown
EIQ Reference # (2002):	EU0080: EP-28 EU0090: EP-29

Permit Condition (EU0080 through EU0090) - 001
10 CSR 10-6.400 Restriction of Emission of Particulate Matter from Industrial Processes Article VI- Springfield-Greene County, Air Pollution Control Authority Restriction of Emission of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from this emission unit in excess of that allowed by the formula:
 $PM \text{ lb/hr} = 4.10P^{0.67}$, where P is the process weight in tons/hr. The limit is 1.75 lb/hr from each of the emission units EU0080 and EU0090.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring:

- 1) The permittee shall monitor the pressure drop across the control device at all times that it is in operation.
- 2) The operating pressure drop range shall be within a range of 10 to 25 inches of water. If the pressure drops fails the operating range, corrective action shall be taken within eight hours to return the pressure drop to the specified range.
- 3) All instruments and control equipment shall be calibrated, maintained, and operated according to the manufacturer specifications.

Record Keeping:

- 1) The permittee shall maintain records of the inspections of fabric filters and/or cyclone, when they occur and any action resulting from the inspections.
- 2) The permittee shall maintain records on the replacement of fabric filters.
- 3) Attachments H and I contain logs including these record-keeping requirements. This log, or an equivalent created by the permittee, must be used to certify compliance with this requirement.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition (EU0080 through EU0090) - 002

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants

Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

EU0100 through EU0120 Boilers- Natural Gas and No. 6 Fuel Oil Fired	
General Description:	EU0100: 20.4 MMBTU/hr natural gas fired and no.6 fuel oil fired boiler installed in 1957. The boiler also combusts waste oil and recovered toluene vapors. EU0110: 45.2 MMBTU/hr natural gas fired and no.6 fuel oil fired boiler installed in 1969. The boiler also combusts waste oil and recovered toluene vapors. EU0120: 34 MMBTU/hr natural gas fired and no.6 fuel oil fired boiler installed in 1979. The boiler also combusts waste oil and recovered toluene vapors.
Manufacturer/Model #:	EU0100: Babcock and Wilcox / Model No. unknown. EU0110: Keeler / Model No. unknown. EU0120: Cleaver Brooks / Model No. unknown
EIQ Reference # (2002):	EU0100: EP-07 EU0110: EP-09 EU0120: EP-10

Permit Condition (EU0100 through EU0120)- 001
10 CSR 10-4.040 Maximum Allowable Emissions of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating Article V- Springfield-Greene County, Air Pollution Control Authority Emissions of Particulate Matter from Fuel Burning Equipment

Emission Limitation:

The permittee shall not emit particulate matter in excess of 0.40 pounds per million BTU of heat input from each of the emission units EU0100, EU0110 and EU0120.

Monitoring / Record Keeping / Reporting:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. Appendices M and N may be used to satisfy this record keeping requirement.
- 2) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 3) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition (EU0100 through EU0120) - 002

10 CSR 10-6.260

Restriction of Emission of Sulfur Compounds

Emission Limitation:

- 1) No person shall cause or allow emissions of sulfur dioxide into the atmosphere from any indirect heating source in excess of eight pounds of sulfur dioxide per million BTUs actual heat input averaged on any consecutive three hour time period.
- 2) Emissions from any existing source operation shall not contain more than two thousand parts per million by volume (2000 ppmv) of sulfur dioxide.
- 3) Stack gasses shall not contain more than seventy milligrams (70 mg) per cubic meter of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three hour time period.
- 4) No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards.

<u>Pollutant</u>	<u>Concentration by Volume</u>	<u>Remarks</u>
Sulfur Dioxide (SO ₂)	80 micrograms per cubic meter (µg/m ³) (0.03 parts per million (ppm))	Annual arithmetic mean
	365 µg/m ³ (0.14 ppm)	Twenty-four hour average, not to be exceeded more than once per year
	1,300 µg/m ³ (0.5 ppm)	Three-hour average, not to be exceeded more than once per year
Hydrogen Sulfide (H ₂ S)	70 µg/m ³ (0.05 ppm)	One-half hour average, not to be exceeded over two times per year
	42 µg/m ³ (0.03 ppm)	One-half hour average, not to be exceeded over two times in any five consecutive days.
Sulfuric Acid (H ₂ SO ₄)	10 µg/m ³	Twenty-four hour average not to be exceeded more than once in any ninety consecutive days.
	30 µg/m ³	One hour average not to be exceeded more than once in any two consecutive days.

Monitoring:

- 1) When burning pipeline grade natural gas, no monitoring of emissions will be necessary. Attachment D may be used to demonstrate compliance with this requirement.
- 1) The installation shall monitor the sulfur content of the fuel that is combusted to assure the sulfur content is not more than 1.5% by weight. This may be accomplished through record keeping (if applicable) of such items as purchase receipts or certifications if these items verify the sulfur content is not more than 1.5% by weight. Record keeping Attachment O, or an equivalent created by the permittee, shall be used to track the fuel(s) being combusted in these boilers. Otherwise, compliance to the emission limitations shall be determined by source testing and shall be accomplished as specified in 10 CSR 10-6.030(6). Other methods approved by the staff director in advance may be used.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Enforcement Section, P.O. Box 176, Jefferson City, MO 65101, no later than ten days after the introduction of any fuel other than natural gas, fuel oil, waste oil, or toluene fumes which have sulfur contents in excess of 1.5% by weight.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after the introduction of any fuel other than natural gas, fuel oil, waste oil, or toluene fumes which have sulfur contents in excess of 1.5% by weight.

10 CSR 10-6.260(4) is a state-only requirement

Permit Condition (EU0100 through EU0120) - 003

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants

Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

EU0130 Banbury Body and Twin Screw Mixers	
General Description:	Rubber mixing and compounding. Emissions controlled by a baghouse.
Manufacturer/Model #:	Unknown
EIQ Reference # (2002):	EU0130: EP-11

Permit Condition EU0130 - 001

10 CSR 10-6.060

Construction Permits Required

Article III Section 2A-7

Approval of Planned Installations – Regulations for Issuance of Permits

Permit No. 1199-206D

Emission Limitation:

Carlisle Power Transmission Products, Inc. is limited to 5.778 tons per hour (24-hr/day average) of finished batch of rubber.

Monitoring/Record Keeping:

- 1) Carlisle Power Transmission Products, Inc. shall keep daily records of the allowable throughputs for EIQ reporting. Attachment E, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
- 2) These records shall be made immediately available to the DNR personnel or Springfield Air Pollution Control Authority personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition EU0130 - 002

10 CSR 10-6.400

Restriction of Emission of Particulate Matter from Industrial Processes

Article VI- Springfield-Greene County, Air Pollution Control Authority

Restriction of Emission of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from this emission unit in excess of that allowed by the formula: $PM \text{ lb/hr} = 4.10P^{0.67}$, where P is the process weight in tons/hr. The limit is 13.28 lb/hr.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring:

- 1) The permittee shall monitor the pressure drop across the control device at all times that it is in operation.
- 2) The operating pressure drop range shall be within a range of 10 to 25 inches of water. If the pressure drops fails the operating range, corrective action shall be taken within eight hours to return the pressure drop to the specified range.

- 3) All instruments and control equipment shall be calibrated, maintained, and operated according to the manufacturer specifications.

Record Keeping:

- 1) The permittee shall maintain records of the inspections of fabric filters and/or cyclone, when they occur and any action resulting from the inspections.
- 2) The permittee shall maintain records on the replacement of fabric filters.
- 3) Attachment H contains a log including these record-keeping requirements. This log, or an equivalent created by the permittee, must be used to certify compliance with this requirement.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition EU0130 - 003

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants

Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

EU0150 through EU0160 3-C Cord Machine	
General Description:	EU0150 3-C cord machine natural gas fired oven stack 3. Oven rated at 1.5 MMBTU/hr EU0160 3-C cord machine natural gas fired oven stack 4. Oven rated at 1.5 MMBTU/hr.
Manufacturer/Model #:	Unknown
EQ Reference # (2002):	EU0150: EP-15 EU0160: EP-13

Permit Condition (EU0150 through EU0160) - 001

10 CSR 10-6.400

**Restriction of Emission of Particulate Matter from Industrial Processes
Article VI- Springfield-Greene County, Air Pollution Control Authority
Restriction of Emission of Particulate Matter from Industrial Processes**

Emission Limitation:

- 1) Particulate matter shall not be emitted from this emission unit in excess of that allowed by the formula:
 $PM \text{ lb/hr} = 4.10P^{0.67}$, where P is the process weight in tons/hr. The limit is 3.04 lb/hr from each of the emission units EU0150 and EU0160.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring / Record Keeping / Reporting:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. Appendices M and N may be used to satisfy this record keeping requirement.
- 2) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 3) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition (EU0150 through EU0160) - 002

10 CSR 10-6.260

Restriction of Emission of Sulfur Compounds

Emission Limitation:

- 1) No person shall cause or allow emissions of sulfur dioxide into the atmosphere from any indirect heating source in excess of eight pounds of sulfur dioxide per million BTUs actual heat input averaged on any consecutive three hour time period.
- 2) Emissions from any existing source operation shall not contain more than two thousand parts per million by volume (2000 ppmv) of sulfur dioxide.
- 3) Stack gasses shall not contain more than seventy milligrams (70 mg) per cubic meter of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three hour time period.

- 4) No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards.

<u>Pollutant</u>	<u>Concentration by Volume</u>	<u>Remarks</u>
Sulfur Dioxide (SO ₂)	80 micrograms per cubic meter (µg/m ³) (0.03 parts per million (ppm))	Annual arithmetic mean
	365 µg/m ³ (0.14 ppm)	Twenty-four hour average, not to be exceeded more than once per year
	1,300 µg/m ³ (0.5 ppm)	Three-hour average, not to be exceeded more than once per year
Hydrogen Sulfide (H ₂ S)	70 µg/m ³ (0.05 ppm)	One-half hour average, not to be exceeded over two times per year
	42 µg/m ³ (0.03 ppm)	One-half hour average, not to be exceeded over two times in any five consecutive days.
Sulfuric Acid (H ₂ SO ₄)	10 µg/m ³	Twenty-four hour average not to be exceeded more than once in any ninety consecutive days.
	30 µg/m ³	One hour average not to be exceeded more than once in any two consecutive days.

Monitoring:

- 1) The permittee shall maintain a record of the potential to emit calculations which demonstrate that the above emission limitation, eight pounds of sulfur dioxide per million BTUs actual heat input averaged on any consecutive three hour time period will not be exceeded while burning natural gas. Attachment D may be used to demonstrate compliance with this requirement.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

10 CSR 10-6.260(4) is a state-only requirement

Permit Condition (EU0150 through EU0160) - 003

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants

Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

EU0180 Mill Mixing	
General Description:	Rubber and fiber mixing mill. Emissions controlled by in-line filters.
Manufacturer/Model #:	Unknown
EQ Reference # (2002):	EP-20

Permit Condition EU0180-001

10 CSR 10-6.400

Restriction of Emission of Particulate Matter from Industrial Processes

Article VI- Springfield-Greene County, Air Pollution Control Authority

Restriction of Emission of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from this emission unit in excess of that allowed by the formula:
 $PM \text{ lb/hr} = 4.10P^{0.67}$, where P is the process weight in tons/hr. The limit is 3.74 lb/hr.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring / Record Keeping / Reporting:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. Appendices M and N may be used to satisfy this record keeping requirement.
- 2) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 3) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition EU0180-002

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants

Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

EU0190 Neoprene Hopper	
General Description:	Neoprene bulk bins.
Manufacturer/Model #:	Unknown
EIQ Reference # (2002):	EP-37

Permit Condition EU0190-001

10 CSR 10-6.400

Restriction of Emission of Particulate Matter from Industrial Processes
Article VI- Springfield-Greene County, Air Pollution Control Authority
Restriction of Emission of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from this emission unit in excess of that allowed by the formula: PM lb/hr = $4.10P^{0.67}$, where P is the process weight in tons/hr. The limit is 6.52 lb/hr.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring / Record Keeping / Reporting:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. Appendices M and N may be used to satisfy this record keeping requirement.
- 2) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 3) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition EU0190-002

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants
Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-

- c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

EU0200 Pre Compound	
General Description:	Weighing Bulk Chemicals on Scale.
Manufacturer/Model #:	Unknown
EQ Reference # (2002):	EP38

Permit Condition EU0200-001
10 CSR 10-6.400 Restriction of Emission of Particulate Matter from Industrial Processes Article VI- Springfield-Greene County, Air Pollution Control Authority Restriction of Emission of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from this emission unit in excess of that allowed by the formula: PM lb/hr = $4.10P^{0.67}$, where P is the process weight in tons/hr. The limit is 1.88 lb/hr.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring / Record Keeping / Reporting:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. Appendices M and N may be used to satisfy this record keeping requirement.
- 2) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 3) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition EU0200-002

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants

Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

EU0210 Carbon Black Unloading/Storage	
General Description:	Carbon Black Handling Operations
Manufacturer/Model #:	Unknown
EIQ Reference # (2002):	EP40

Permit Condition EU0210-001

10 CSR 10-6.400

Restriction of Emission of Particulate Matter from Industrial Processes

Article VI- Springfield-Greene County, Air Pollution Control Authority

Restriction of Emission of Particulate Matter from Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from this emission unit in excess of that allowed by the formula:
 $PM\ lb/hr = 4.10P^{0.67}$, where P is the process weight in tons/hr. The limit is 19.7 lb/hr.
- 2) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring / Record Keeping / Reporting:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. Appendices M and N may be used to satisfy this record keeping requirement.
- 2) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 3) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Permit Condition EU0210-002

10 CSR 10-6.220

Restriction of Emission of Visible Air Contaminants

Article IV- Springfield-Greene County, Air Pollution Control Authority

Emission Limitation:

- 1) No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions with an opacity greater than 40%.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment B and Attachment C), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions.
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.
- 2) The permittee shall report to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802, no later than ten days after any deviation from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation.

Draft

IV. Core Permit Requirements

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements.

10 CSR 10-6.050, Start-up, Shutdown and Malfunction Conditions

- (a.) In the event of a malfunction, which results in excess emissions that exceed one hour, the permittee shall submit to the director within two business days in writing the following information:
- (1.) Name and location of installation;
 - (2.) Name and telephone number of person responsible for the installation;
 - (3.) Name of the person who first discovered the malfunction and precise time and date that the malfunction was discovered.
 - (4.) Identity of the equipment causing the excess emissions;
 - (5.) Time and duration of the period of excess emissions;
 - (6.) Cause of the excess emissions;
 - (7.) Air pollutants involved;
 - (8.) Best estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;
 - (9.) Measures taken to mitigate the extent and duration of the excess emissions; and
 - (10.) Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
- (b.) The permittee shall submit the paragraph (a.) information list to the director in writing at least ten days prior to any maintenance, start-up or shutdown, which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, it shall be given as soon as practicable prior to the release. If an unplanned excess release of emissions exceeding one hour occurs during maintenance, start-up or shutdown, the director shall be notified verbally as soon as practical during normal working hours and no later than the close of business of the following working day. A written notice shall follow within ten working days.
- (c.) Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under section 643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the paragraph (a.) list and shall be submitted not later than 15 days after receipt of the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under section 643.080 or 643.151, RSMo.
- (d.) Nothing in this rule shall be construed to limit the authority of the director or commission to take appropriate action, under sections 643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.
- (e.) Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

Springfield City Code Article XVI, Breakdown of Equipment

In the event that emissions as a direct result of upset conditions or breakdown exceed any of the established limits, the permittee shall advise the City of Springfield director of Health of such a breakdown and outline a corrective program acceptable to the Director.

This requirement is not federally or state enforceable.

10 CSR 10-6.060, Springfield City Code Article III, Construction Permits Required

The permittee shall not commence construction, modification, or major modification of any installation subject to this rule, begin operation after that construction, modification, or major modification, or begin operation of any installation which has been shut down longer than five years without first obtaining a permit from the permitting authority.

10 CSR 10-6.065, Operating Permits

The permittee shall file for renewal of this operating permit no sooner than eighteen months, nor later than six months, prior to the expiration date of this operating permit. The permittee shall retain the most current operating permit issued to this installation on-site and shall immediately make such permit available to any Missouri Department of Natural Resources personnel upon request.

10 CSR 10-6.110, Submission of Emission Data, Emission Fees and Process Information

- (a.) The permittee shall complete and submit an Emission Inventory Questionnaire (EIQ) in accordance with the requirements outlined in this rule.
- (b.) The permittee shall pay an annual emission fee per ton of regulated air pollutant emitted according to the schedule in the rule. This fee is an emission fee assessed under authority of RSMo. 643.079 to satisfy the requirements of the Federal Clean Air Act, Title V.
- (c.) The fees shall be due April 1 each year for emissions produced during the previous calendar year. The fees shall be payable to the Department of Natural Resources and shall be accompanied by the Emissions Inventory Questionnaire (EIQ) form or equivalent approved by the director.

10 CSR 10-6.130, Controlling Emissions During Episodes of High Air Pollution Potential

This rule specifies the conditions that establish an air pollution alert (yellow/orange/red/purple), or emergency (maroon) and the associated procedures and emission reduction objectives for dealing with each. The permittee shall submit an appropriate emergency plan if required by the Director.

10 CSR 10-6.150, Springfield City Code Article XVII, Circumvention

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

10 CSR 10-6.180, Measurement of Emissions of Air Contaminants

- (a.) The director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The director may specify testing methods to be used in accordance with good professional practice. The director may observe the testing. All tests shall be performed by qualified personnel.
- (b.) The director may conduct tests of emissions of air contaminants from any source. Upon request of the director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of the emission of air contaminants.
- (c.) The director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

10 CSR 10-4.090, Open Burning Restrictions

- (a.) The permittee shall not conduct, cause, permit or allow a salvage operation, the disposal of trade wastes or burning of refuse by open burning.
- (b.) Exception - Open burning of trade waste or vegetation may be permitted only when it can be shown that open burning is the only feasible method of disposal or an emergency exists which requires open burning.
- (c.) Any person intending to engage in open burning shall file a request to do so with the director. The request shall include the following:
 - (1.) The name, address and telephone number of the person submitting the application; The type of business or activity involved; A description of the proposed equipment and operating practices, the type, quantity and

- composition of trade wastes and expected composition and amount of air contaminants to be released to the atmosphere where known;
- (2.) The schedule of burning operations;
 - (3.) The exact location where open burning will be used to dispose of the trade wastes;
 - (4.) Reasons why no method other than open burning is feasible; and
 - (5.) Evidence that the proposed open burning has been approved by the fire control authority which has jurisdiction.
- (d.) Upon approval of the open burning permit application by the director, the person may proceed with the operation under the terms of the open burning permit. Be aware that such approval shall not exempt Carlisle Power Transmission Products, Inc. from the provisions of any other law, ordinance or regulation.
- (e.) The permittee shall maintain files with letters from the director approving the open burning operation and previous DNR inspection reports.

10 CSR 10-4.070, Restriction of Emission of Odors

No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of odor-free air for two separate trials not less than 15 minutes apart within the period of one hour.

This requirement is not federally enforceable.

Springfield City Code Article X, Control of Odors in the Ambient Air

- 1) No person shall emit odorous matter such as to cause an objectionable odor.
 - a) On or adjacent to residential, recreational, institutional, retail sales, hotel or educational premises; or
 - b) On or adjacent to industrial premises when air containing such odorous matter is diluted with twenty or more volumes of odor free air; or
 - c) On or adjacent to premises other than those listed in (a) and (b) when containing such odorous matter is diluted with four or more volumes of odor free air.
- 2) An odor will be deemed objectionable when thirty percent or more of a sample of twenty or more people or seventy-five percent or a sample of less than twenty people exposed to it believe it to be objectionable in usual places of occupancy.

This requirement is not federally enforceable.

10 CSR 10-6.100, Alternate Emission Limits

Proposals for alternate emission limitations shall be submitted on Alternate Emission Limits Permit forms provided by the department. An installation owner or operator must obtain an Alternate Emission Limits Permit in accordance with 10 CSR 10-6.100 before alternate emission limits may become effective.

10 CSR 10-6.080, Emission Standards for Hazardous Air Pollutants

40 CFR Part 61 Subpart M, National Emission Standard for Asbestos

- (a) The permittee shall follow the procedures and requirements of 40 CFR Part 61, Subpart M for any activities occurring at this installation which would be subject to provisions for 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos.
- (b) The permittee shall conduct monitoring to demonstrate compliance with registration, certification, notification, and Abatement Procedures and Practices standards as specified in 40 CFR Part 61, Subpart M.

10 CSR 10-6.250, Asbestos Abatement Projects – Certification, Accreditation, and Business Exemption Requirements

The permittee shall conduct all asbestos abatement projects within the procedures established for certification and accreditation by 10 CSR 10-6.250. This rule requires individuals who work in asbestos abatement projects to be certified by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires training providers who offer training for asbestos abatement occupations to be accredited by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires persons who hold exemption status from certain requirements of this rule to allow the department to monitor training provided to employees. Each individual who

works in asbestos abatement projects must first obtain certification for the appropriate occupation from the department. Each person who offers training for asbestos abatement occupations must first obtain accreditation from the department. Certain business entities that meet the requirements for state-approved exemption status must allow the department to monitor training classes provided to employees who perform asbestos abatement.

Title VI – 40 CFR Part 82, Protection of Stratospheric Ozone

- (a.) The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
- (1.) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
 - (2.) The placement of the required warning statement must comply with the requirements pursuant to §82.108.
 - (3.) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.
 - (4.) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.
- (b.) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
- (1.) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
 - (2.) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
 - (3.) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
 - (4.) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).
 - (5.) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
 - (6.) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
- (c.) If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
- (d.) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *Federal Only - 40 CFR part 82.*

10 CSR 10-6.280, Compliance Monitoring Usage

- 1) The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Any other monitoring methods approved by the director.

- 2) Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred by a permittee:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Compliance test methods specified in the rule cited as the authority for the emission limitations.
- 3) The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
 - a) Applicable monitoring or testing methods, cited in:
 - 10 CSR 10-6.030, "Sampling Methods for Air Pollution Sources";
 - 10 CSR 10-6.040, "Reference Methods";
 - 10 CSR 10-6.070, "New Source Performance Standards";
 - 10 CSR 10-6.080, "Emission Standards for Hazardous Air Pollutants"; or
 - b) Other testing, monitoring, or information gathering methods, if approved by the director, that produce information comparable to that produced by any method listed above.

Draft

V. General Permit Requirements

Permit Duration

10 CSR 10-6.065(6)(C)1.B.

This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed.

General Record Keeping and Reporting Requirements

10 CSR 10-6.065(6)(C)1.C

I) Record Keeping

- A) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
- B) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources' personnel upon request.

II) Reporting

- A) The permittee shall submit a report of all required monitoring by:
 - 1) October 1st for monitoring which covers the January through June time period, and
 - 2) April 1st for monitoring which covers the July through December time period.
 - 3) Exception: Monitoring requirements which require reporting more frequently than semi annually shall report no later than 30 days after the end of the calendar quarter in which the measurements were taken.
- B) Each report must identify any deviations from emission limitations, monitoring, record keeping, reporting, or any other requirements of the permit, this includes deviations or Part 64 exceedances.
- C) All reports shall be submitted to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102.
- D) Submit supplemental reports as required or as needed. Supplemental reports are required no later than ten days after any exceedance of any applicable rule, regulation or other restriction. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.
 - 1) Notice of any deviation resulting from an emergency (or upset) condition as defined in paragraph (6)(C)7 of 10 CSR 10-6.065 (Emergency Provisions) shall be submitted to the permitting authority either verbally or in writing within two working days after the date on which the emission limitation is exceeded due to the emergency, if you wish to assert an affirmative defense. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that indicate an emergency occurred and that you can identify the cause(s) of the emergency. The permitted installation must show that it was operated properly at the time and that during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or requirements in the permit. The notice must contain a description of the emergency, the steps taken to mitigate emissions, and the corrective actions taken.
 - 2) Any deviation that poses an imminent and substantial danger to public health, safety or the environment shall be reported as soon as practicable.
 - 3) Any other deviations identified in the permit as requiring more frequent reporting than the permittee's semiannual report shall be reported on the schedule specified in the permit.
 - 4) These supplemental reports shall be submitted to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.
- E) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.
- F) The permittee may request confidential treatment of information submitted in any report of deviation.

Risk Management Plans Under Section 112(r)

10 CSR 10-6.065(6)(C)1.D.

The permittee shall comply with the requirements of 40 CFR Part 68, Accidental Release Prevention Requirements. If the permittee has more than a threshold quantity of a regulated substance in process, as determined by 40 CFR Section 68.115, the permittee shall submit a Risk Management Plan in accordance with 40 CFR Part 68 no later than the latest of the following dates:

- 1) June 21, 1999;
- 2) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or
- 3) The date on which a regulated substance is first present above a threshold quantity in a process.

Severability Clause

10 CSR 10-6.065(6)(C)1.F.

In the event of a successful challenge to any part of this permit, all uncontested permit conditions shall continue to be in force. All terms and conditions of this permit remain in effect pending any administrative or judicial challenge to any portion of the permit. If any provision of this permit is invalidated, the permittee shall comply with all other provisions of the permit.

General Requirements

10 CSR 10-6.065(6)(C)1.G

- 1) The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
- 2) The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- 3) The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, will not stay any permit condition.
- 4) This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
- 5) The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the Air Pollution Control Program copies of records required to be kept by the permittee. The permittee may make a claim of confidentiality for any information or records submitted pursuant to 10 CSR 10-6.065(6)(C)1.

Incentive Programs Not Requiring Permit Revisions

10 CSR 10-6.065(6)(C)1.H.

No permit revision will be required for any installation changes made under any approved economic incentive, marketable permit, emissions trading, or other similar programs or processes provided for in this permit.

Compliance Requirements

10 CSR 10-6.065(6)(C)3.

- I) Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.
- II) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following

- (subject to the installation's right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
- A) Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
 - B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - C) Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - D) As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.
- III) All progress reports required under an applicable schedule of compliance shall be submitted semiannually (or more frequently if specified in the applicable requirement). These progress reports shall contain the following:
- A) Dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when these activities, milestones or compliance were achieved, and
 - B) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.
- IV) The permittee shall submit an annual certification that it is in compliance with all of the federally enforceable terms and conditions contained in this permit, including emissions limitations, standards, or work practices. These certifications shall be submitted annually by April 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to EPA Region VII, 901 North 5th Street, Kansas City, Kansas 66101, to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, and to the Air Pollution Control Authority, 227 East Chestnut Expressway, Springfield, MO 65802. All deviations and Part 64 exceedances and excursions must be included in the compliance certifications. The compliance certification shall include the following:
- A) The identification of each term or condition of the permit that is the basis of the certification,
 - B) The current compliance status, as shown by monitoring data and other information reasonably available to the installation,
 - C) Whether compliance was continuous or intermittent,
 - D) The method(s) used for determining the compliance status of the installation, both currently and over the reporting period, and
 - E) Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

Permit Shield

10 CSR 10-6.065(6)(C)6.

- I) Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements as of the date that this permit is issued, provided that:
- A) The applicable requirements are included and specifically identified in this permit; or
 - B) The permitting authority, in acting on the permit revision or permit application, determines in writing that other requirements, as specifically identified in the permit, are not applicable to the installation, and this permit expressly includes that determination or a concise summary of it.
- II) Be aware that there are exceptions to this permit protection. The permit shield does not affect the following:
- A) The provisions of section 303 of the Act or section 643.090, RSMo concerning emergency orders,
 - B) Liability for any violation of an applicable requirement which occurred prior to, or was existing at, the time of permit issuance,
 - C) The applicable requirements of the acid rain program,
 - D) The administrator's authority to obtain information, or
 - E) Any other permit or extra-permit provisions, terms or conditions expressly excluded from the permit shield provisions.

Emergency Provisions

10 CSR 10-6.065(6)(C)7.

- I) An emergency or upset as defined in 10 CSR 10-6.065(6)(C)7. shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:
- A) That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,
 - B) That the installation was being operated properly,
 - C) That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
 - D) That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
- II) Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

Operational Flexibility

10 CSR 10-6.065(6)(C)8.

An installation that has been issued a Part 70 operating permit is not required to apply for or obtain a permit revision in order to make any of the changes to the permitted installation described below if the changes are not Title I modifications, the changes do not cause emissions to exceed emissions allowable under the permit, and the changes do not result in the emission of any air contaminant not previously emitted. The permittee shall notify the Air Pollution Control Program and the Administrator at least seven days in advance of these changes, except as allowed for emergency or upset conditions. Emissions allowable under the permit means a federally enforceable permit term or condition determined at issuance to be required by an applicable requirement that established an emissions limit (including a work practice standard) or a federally enforceable emissions cap that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject.

- I) Section 502(b)(10) changes. Changes that, under section 502(b)(10) of the Act, contravene an express permit term may be made without a permit revision, except for changes that would violate applicable requirements of the Act or contravene federally enforceable monitoring (including test methods), record keeping, reporting or compliance requirements of the permit.
- A) Before making a change under this provision, The permittee shall provide advance written notice to the Air Pollution Control Program and to the Administrator, describing the changes to be made, the date on which the change will occur, and any changes in emission and any permit terms and conditions that are affected. The permittee shall maintain a copy of the notice with the permit, and this agency shall place a copy with the permit in the public file. Written notice shall be provided to the administrator and this agency at least seven days before the change is to be made. If less than seven days notice is provided because of a need to respond more quickly to these unanticipated conditions, The permittee shall provide notice to the administrator and the permitting authority as soon as possible after learning of the need to make the change.
 - B) The permit shield shall not apply to these changes.

Off-Permit Changes

10 CSR 10-6.065(6)(C)9.

- I) Except as noted below, The permittee may make any change in its permitted operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Insignificant activities listed in the application, but not otherwise addressed in or prohibited by this permit, shall not be considered to be constrained by this permit for purposes of the off-permit provisions of this section. Off-permit changes shall be subject to the following requirements and restrictions:

- A) The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; The permittee may not change a permitted installation without a permit revision, if this change is subject to any requirements under Title IV of the Act or is a Title I modification;
- B) The permittee must provide written notice of the change to the permitting authority and to the administrator no later than the next annual emissions report. This notice shall not be required for changes that are insignificant activities under paragraph (6)(B)3. of this rule. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change.
- C) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes; and
- D) The permit shield shall not apply to these changes.

Responsible Official

10 CSR 10-6.020(2)(R)12.

The application utilized in the preparation of this was signed by William Wroblewski, Vice President of Operations for Carlisle Power Transmission Products, Incorporated. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the installation in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

Reopening Permit For Cause

10 CSR 10-6.065(6)(E)6.

In accordance with 10 CSR 10-6.065(6)(E)6.A., this permit may be reopened with cause if:

- 1) The Missouri Department of Natural Resources receives notice from the Environmental Protection Agency (EPA) that a petition for disapproval of a permit pursuant to 40 CFR § 70.8(b) has been granted, provided that the reopening may be stayed pending judicial review of that determination,
- 2) The Missouri Department of Natural Resources or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,
- 3) Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the installation and the installation receives authorization for coverage under that general permit,
- 4) The installation is an affected source under the acid rain program and additional requirements (including excess emissions requirements), become applicable to that source, provided that, upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit; or
- 5) The Missouri Department of Natural Resources or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

Statement of Basis

10 CSR 10-6.065(6)(E)1.C.

This permit is accompanied by a statement setting forth the legal and factual basis for the draft permit conditions (including references to applicable statutory or regulatory provisions). This Statement of Basis, while referenced by the permit, is not an actual part of the permit.

Attachment A

This record keeping sheet may be used to meet the record keeping requirements for Permit Condition PW001.

Fugitive Emission Observations

[illegible]

This record-keeping sheet may be used for the record-keeping requirements for the Permit Conditions EU0010-002, EU0011-002, EU0020-002, EU0030-002, EU0040-002, EU0050-002, EU0060-002, EU0070-002, EU0080-002, EU0090-002, EU0100-003, EU0110-003, EU0120-003, EU0130-003, EU0140-003, EU0150-003, EU0160-003, EU0170-002, EU0180-002, EU0190-002, EU0200-002 and EU0210-002.

[illegible]

* If a violation is observed, daily periodic monitoring is required for a minimum of eight consecutive weeks. If no violations are observed in that time period, then periodic observations shall be conducted daily every other week for a period of 8 weeks. Should no violations be observed in this time period, then periodic observations need be done no more than once per month.

****** If a violation is observed, necessary steps must be taken to bring the source back into compliance as soon as is practical. The date and steps taken should be included here.

Attachment D

This attachment may be used to demonstrate compliance with 10 CSR 10-6.260 *Restriction of Emission of Sulfur Compounds*.

Allowable SO₂ Emission Limit

- 1) No person shall cause or allow emissions of sulfur dioxide into the atmosphere from any indirect heating source in excess of eight pounds of sulfur dioxide per million BTUs actual heat input averaged on any consecutive three hour time period.
- 2) Emissions from any existing source operation shall not contain more than two thousand parts per million by volume (2000 ppmv) of sulfur dioxide.
- 3) Stack gasses shall not contain more than seventy milligrams (70 mg) per cubic meter of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three hour time period.

Potential SO₂ Emission Rate

$$\text{Emission Rate (lb/MMBTU)} = \text{SO}_2 \text{ Emission Factor} / 1050 \text{ MMBTU/ft}^3$$

Fuel Type	Emission Unit No.	MHDR ¹ (MMBTU/hr)	SO ₂ Emission Factor	Allowable Emission Rate	Emission Rate
Natural Gas	EU0100	20.4	0.6 lb/10 ⁶ ft ³	8 lb/MMBTU	0.001 lb/MMBTU
	EU0110	45.2		2,000 ppmv	0.058 ppmv
	EU0120	34		70 mg/m ³ H ₂ SO ₄ or SO ₃	0.004 mg/m ³ SO ₃ 0.005 mg/m ³ H ₂ SO ₄
No. 6 Fuel Oil	EU0110	20.4	236 lb SO ₂ /10 ³ gal	8 lb/MMBTU	1.6 lb/MMBTU
	EU0110	45.2	236 lb SO ₂ /10 ³ gal	2,000 ppmv	1.97 ppmv
	EU0120	34	2 lb SO ₃ /10 ³ gal	70 mg/m ³ H ₂ SO ₄ or SO ₃	0.044 mg/m ³ SO ₃ 0.054 mg/m ³ H ₂ SO ₄
Natural Gas	EU0150 EU0160	1.5	0.6 lb/10 ⁶ ft ³	8 lb/MMBTU	0.001 lb/MMBTU
				2,000 ppmv	0.058 ppmv
				70 mg/m ³ H ₂ SO ₄ or SO ₃	0.004 mg/m ³ SO ₃ 0.005 mg/m ³ H ₂ SO ₄

¹ Maximum Hourly Design Rate

² The heat content of natural gas is 1050 MMBTU/ft³, and the heat content of No. 6 fuel oil is 150 MMBTU/10³ gal

³ Emission Factors are from AP-42

Attachment E

Sample Record Form
Compliance Demonstration Form Under Permit Condition EU0130-001
Daily Production Tracking Record

Month _____ Year _____

Column A	Column B	Column C
Date	Amount of Material Processed (tons) ¹	Hourly Amount Processed (tons) ²
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		

¹ Total daily amount of finish batch of rubber processed through the Banbury Body and Twin Screw Mixers.

² Column C = $\frac{\text{Column B}}{24}$ Column C represents the average hourly production rate of finish rubber. This rate must not exceed 5.778 tons per hour (24/hr average) in order for this emission unit to be in compliance.

[illegible]

1. If the pressure drop falls out of the normal operating range, corrective action shall be taken within eight hours to return the pressure drop to normal.
2. The rotoclone should also be checked for cleanliness.

Attachment G

This record keeping sheet may be used for the record keeping requirements listed under permit condition EU0060-001.

Rotoclon Inspection Record

Rotoclone No. _____

[illegible]

Attachment H

This record keeping sheet may be used for the record keeping requirements listed under permit conditions EU0010-001, EU0011-001, EU0080-001, and EU0090-001.

Fabric Filter Maintenance Record

Fabric Filter No. _____

Magnehelic Normal Operating Range:

From _____(in H₂O) to _____(in H₂O)

Magnehelic Reading					Fabric Filter Change Out			
Date/Time	ΔP Reading (in H ₂ O)	Is ΔP Within the Normal Operating Range		Initials	Date/Time	Number of Filters Changed Out	Number of Filters Remaining On-hand	Initials ²
		Yes	No ¹					

1. If the pressure drop falls out of the normal operating range, corrective action shall be taken within eight hours to return the pressure drop to normal. If corrective action can not be taken within eight hours, the fabric filter/baghouse ventilation system will either be shut down or will be directed such that the emissions from the fabric filter/baghouse are vented back into the building.
2. When installing a new fabric filter into the baghouse, inspect it and all other filters in the fabric filter/baghouse for holes, imperfections, proper installation, and other problems that could hinder the effectiveness of the filters.

Attachment I

This record keeping sheet may be used for the record keeping requirements listed under permit conditions EU0010-001, EU0011-001, EU0080-001, and EU0090-001.

Fabric Filter Inspection Record

Fabric Filter No. _____

[illegible]

Attachment J

Sample Record Form
Compliance Demonstration Form Under Permit Condition PW-002
Monthly Combined HAP Emission Tracking Record

[illegible]

¹ Total plant usage.

² Weighted average HAP content of all materials used during the month

³ Column D = Column B x Column C x 0.0005

4 Column E = Previous month's Column E + current Column D – Column D same month last year (total of less than twenty-five indicates compliance)

Attachment K

Sample Record Form
Compliance Demonstration Form Under Permit Condition PW-002
Monthly Individual HAP Emission Tracking Record

HAP Name: _____ CAS No.: _____

[illegible]

¹ Total plant usage.

² Weighted average HAP content of all materials used during the month

³ Column D = Column B x Column C x 0.0005

4 Column E = Previous month's Column E + current Column D – Column D same month last year (total of less than ten indicates compliance)

Attachment L

This attachment may be used to demonstrate compliance with 10 CSR 10-4.040 *Maximum Allowable Emissions of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating*, and Article V – Springfield-Greene County, Air Pollution Control Authority *Emissions of Particulate Matter from Fuel Burning Equipment*.

Emission Limit for EU0100, EU0110, and EU0120.

$$0.90 Q^{-0.174} = 0.90 (107)^{-0.174} = 0.40 \text{ lb/MMBTU}$$

where Q is the total heat input of all indirect heating sources at this installation.

$$\text{Emission Rate (lb/MMBTU)} = (\text{MHCR})(\text{Emission Factor}) / (\text{Heat Input Rate})$$

Emission Unit	Heat Input Rate (MMBTU/hr)	Maximum Hourly Combustion Rate ¹	PM ₁₀ Emission Factor	Emission Factor Reference	Potential Emission Rate (lb/MMBTU)	Emission Rate Limitation (lb/MMBTU)
EU0100	20.4	19,429 ft ³ /hr natural gas	7.6 lb/10 ⁶ scf	AP-42, Ch. 1	0.007	0.40
		136 gal/hr No. 6 fuel oil	10 lb/10 ³ gal	AP-42, Ch. 1	0.067	
EU0110	45.2	43,049 ft ³ /hr natural gas	7.6 lb/10 ⁶ scf	AP-42, Ch. 1	0.007	0.40
		301 gal/hr No. 6 fuel oil	10 lb/10 ³ gal	AP-42, Ch. 1	0.067	
EU0120	34.0	32,382 ft ³ /hr natural gas	7.6 lb/10 ⁶ scf	AP-42, Ch. 1	0.007	0.40
		227 gal/hr No. 6 fuel oil	10 lb/10 ³ gal	AP-42, Ch. 1	0.067	
EU0150	1.5	1,429 ft ³ /hr natural gas	7.6 lb/10 ⁶ scf	AP-42, Ch. 1	0.007	0.40
EU0160	1.5	1,429 ft ³ /hr natural gas	7.6 lb/10 ⁶ scf	AP-42, Ch. 1	0.007	0.40

¹ Maximum Hourly Combustion Rate, MHCR, is the heat input rate divided by heating value of the combustion fuel. For natural gas this is 1050 MMBTU/ft³, and for No. 6 fuel oil, this is 150 MMBTU/10³ gallon.

Attachment M

This attachment may be used to demonstrate compliance with 10 CSR 10-6.400 *Restriction of Emission of Particulate Matter From Industrial Processes*, and Article VI – Springfield-Greene County, Air Pollution Control Authority *Restriction of Emissions of Particulate Matter from Industrial Processes*.

Allowable PM₁₀ Emission Limit

$$E = 4.10(P)^{0.67} \quad (P \leq 30)$$

$$E = 55.0(P)^{0.11} - 40 \quad (P > 30)$$

where P is process weight in tons per hour, and E is the allowable emission rate in pounds per hour.

Potential PM₁₀ Emission Rate

$$\text{Emission Rate (lb/hr)} = \text{MHDR} * \text{PM}_{10} \text{ Emission Factor}$$

Emission Unit No.	MHDR ² (tph)	PM ₁₀ Emission Factor (lb/ton)	Emission Factor Reference	Allowable Emission Rate lb/hr	Percent Control	Emission Rate (lb/hr)
EU0010 ¹	0.281	27.0	AP-42	1.75	98	0.15
EU0011 ¹					no control	7.6
EU0020	0.819	1.782	AP-42	3.59	98	0.029
					no control	1.46
EU0030	0.067	0.0852	AP-42	0.67	47.12	0.003
EU0040					no control	0.006
EU0050						
EU0060 ¹	0.18	27.0	AP-42	1.30	94.0	0.292
					no control	4.86
EU0070	0.819	1.782	AP-42	3.59	96	0.058
					no control	1.46
EU0080 ¹	0.281	27.0	AP-42	1.75	96	0.303
EU0090 ¹					no control	7.59
EU0130 ¹	5.778	14.36	AP-42	13.279	94	4.978
					no control	82.97
EU0150	0.639	0.965	AP-42	3.037	0	0.617
EU0160	0.639	0.965	AP-42	3.037	0	0.617
EU0180	0.873	0.9844	AP-42	3.743	39.5	0.52
					no control	0.86
EU0190	2	0.24	AP-42	6.523	0	0.48
EU0200	0.312	0.24	AP-42	1.879	0	0.075
EU0210	10.417	0.25	AP-42	19.7	0	2.604

¹ Use of a control device is necessary while operating these emission units in order to be in compliance with allowable particulate emission limits.

² Maximum Hourly Design Rate

Attachment N

This attachment may be used to demonstrate compliance with 10 CSR 10-6.400 *Restriction of Emission of Particulate Matter From Industrial Processes*, and Article VI – Springfield-Greene County, Air Pollution Control Authority *Restriction of Emissions of Particulate Matter from Industrial Processes*.

Allowable PM₁₀ Emission Limit

The stack gas concentration of particulate matter shall not exceed 0.3 grains per standard cubic foot of exhaust gasses.

PM₁₀ Concentration

$$\text{PM}_{10} \text{ Concentration (grains/scf)} = \left[\frac{\text{MHDR (tons/hr)} * \text{PM}_{10} \text{ Emission Factor (lb/ton)} * 7000 \text{ (grains/pound)}}{\text{Stack Flow Rate (scf/min)} * 60 \text{ (min/hr)}} \right]$$

Emission Unit No.	MHDR ¹ (tph)	PM ₁₀ Emission factor (lb/ton)	Stack Flow Rate SCF/min	Percent Control	PM ₁₀ Concentration grains/SCF
EU0010	0.281	27.0	5,000	98	0.004
EU0011				no control	0.18
EU0020	0.819	1.782	5,000	98	0.001
				no control	0.03
EU0030	0.067	0.0852	5,000	47.12	0.0001
EU0040				no control	0.0001
EU0050	0.18	27.0	5,000	94.0	0.007
				no control	0.11
EU0060	0.819	1.782	6,715	96	0.001
				no control	0.025
EU0070	0.281	27.0	6,943	96	0.005
EU0080				no control	0.13
EU0090	5.778	14.36	14,795	94	0.039
				no control	0.65
EU0130	0.639	0.965	1,576	0	0.046
EU0150	0.639	0.965	1,576	0	0.046
EU0160	0.873	0.9844	7,500	39.5	0.008
EU0180				no control	0.01
EU0190	2	0.24	5,000	0	0.011
EU0200	0.312	0.24	3,000	0	0.003
EU0210	10.417	0.25	No Stack	0	No Stack

¹ Maximum Hourly Design Rate

STATEMENT OF BASIS

Permit Reference Documents

These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

1. Part 70 Operating Permit Application, received May 1, 1997;
2. 1998 Emissions Inventory Questionnaire (EIQ), dated March 2, 1999;
3. U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Stationary Point and Area Sources, Fifth Edition.
4. Correspondence from the permittee dated October 18, 1999.
5. Updated EIQ forms submitted on May 22, 2000.
6. Industrial Ventilation, A manual of Recommended Practice, 20th Edition, 1988.

Applicable Requirements Included in the Operating Permit but not in the Application

In the operating permit application, the installation indicated they were not subject to the following regulation(s). However, in the review of the application, the agency has determined that the installation is subject to the following regulation(s) for the reasons stated.

10 CSR 10-6.080 *Emission Standards for Hazardous Air Pollutants*

40 CFR Part 61, Subpart M, National Emission Standard for Asbestos

This regulation has been included in the operating permit because the regulation applies to any demolition or renovation (as outlined in 40 CFR 61.145) of buildings containing asbestos at the installation.

10 CSR 10-6.100, *Alternate Emission Limits*

This rule has been included in the Operating Permit as being a core permit requirement applicable to all facilities.

10 CSR 10-6.180, *Measurement of Emissions of Air Contaminants*,

This rule has been included in the operating permit in order to provide citing for the allowance of requests for emissions data results. On past forms issued by the Air Pollution Control Program, including the application for this permit, it was automatically marked as an administrative rule not required to be listed as an applicable requirement. It is no longer judged to be solely administrative and is, therefore, included in the operating permit.

10 CSR 10-6.260, *Restriction of Emission of Sulfur Compounds*

This rule had not been created at the time of application; however, it has been determined to be applicable to the installation and, therefore, has been included in the operating permit.

Other Air Regulations Determined Not to Apply to the Operating Permit

The Air Pollution Control Program (APCP) has determined the following requirements to not be applicable to this installation at this time for the reasons stated.

10 CSR 10-6.240, *Asbestos Abatement Projects – Registration, Notification, and Performance Requirements*.

This rule has not been included in the operating permit because the rule was struck down in the Cole County Circuit Court.

10 CSR 10-4.190, *Restriction of Emission of Sulfur Compounds from Indirect Heating Sources*

This rule has been rescinded from the SIP, and therefore has not been included in the operating permit. The sulfur regulations are covered under state regulation 10 CSR 10-6.260.

Construction Permit Revisions

None

NSPS Applicability

40 CFR Part 60, Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units* applies to each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 100 MMBTU/hr or less, but greater than or equal to 10 MMBTU/hr. The boilers at this installation, while meeting the size constraints for consideration under this subpart, were all constructed prior to June 9, 1989, and have not been modified or reconstructed after June 9, 1989. This subpart is therefore not applicable.

40 CFR Part 60, Subpart K, *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978.*

This subpart applies to each storage vessel for petroleum liquids which has a storage capacity greater than 40,000 gallons and for which construction is commenced after May 18, 1978. The only two storage vessels at this installation that have a storage capacity greater than 40,000 gallons are used to store No. 6 fuel oil. 40 CFR Part 60.111(b) specifically excludes No. 6 fuel oil from the definition of a petroleum liquid. NSPS Subpart K is therefore not applicable to the No. 6 fuel oil storage tanks.

40 CFR Part 60, Subpart Ka, *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984.*

This subpart applies to each storage vessel for petroleum liquids which has a storage capacity greater than 40,000 gallons and for which construction is commenced after July 23, 1984. The only two storage vessels at this installation that have a storage capacity greater than 40,000 gallons are used to store No. 6 fuel oil, and were constructed in 1973 and 1974. 40 CFR Part 60.111a(b) specifically excludes No. 6 fuel oil from the definition of a petroleum liquid. NSPS Subpart Ka is therefore not applicable to the No. 6 fuel oil storage tanks.

40 CFR Part 60, Subpart Kb, *Standards of Performance for Volatile Organic Liquid Storage vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984.* This subpart applies to each storage vessel with a capacity greater than or equal to 75 m³ (19,813 gallon) that is used to store volatile organic liquids for which construction, reconstruction, or modification is commenced after July 23, 1984. Only two storage tanks at this installation exceed a storage capacity of 75 m³.

These storage tanks are used for the storage of No. 6 fuel oil, and were installed in 1973 and 1974. Further, this subpart exempts storage vessels with a capacity greater than or equal to 151 m³ (39,890 gallon) storing liquids with a maximum true vapor pressure less than 3.5 kPa. No. 6 fuel oil has a maximum true vapor pressure of 0.00131 kPa at 100°F. NSPS Subpart Kb was not applicable to the storage tanks at this installation for the reasons cited.

40 CFR Part 60, Subpart BBB, *Standards of Performance for the Rubber Tire Manufacturing Industry* applies to certain facilities in rubber tire manufacturing plants that commence construction, modification, or reconstruction after January 20, 1983. This installation does not manufacture rubber tires.

MACT Applicability

40 CFR Part 63, Subpart OOOO, *National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles* applies to the printing, coating, slashing, dyeing or

finishing of fabric and other textiles. In the slashing process, sizing compounds are applied to warp yarn to bind the fiber together and stiffen the yarn to provide abrasion resistance during weaving. This installation contains an emission point that meets this definition in its preparation of cord for incorporation as part of the power transmission belts. However, this subpart is not applicable to installations that are not major sources of hazardous air pollutants. With the incorporation of plantwide permit condition PW-002, this installation is not a major source of hazardous air pollutants, and so will not be subject to this subpart.

40 CFR Part 63, Subpart XXXX, *National Emission Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing*, applies to any installation that is a major source of hazardous air pollutants and is engaged in producing passenger car and light-duty truck tires, heavy-duty truck tires, off-the-road tires, aircraft tires, and miscellaneous other tires. With the incorporation of plantwide permit condition PW-002, this installation is not a major source of hazardous air pollutants, and so will not be subject to this subpart.

NESHAP Applicability

40 CFR Part 61, Subpart M, National Emission Standard for Asbestos

This regulation has been included in the operating permit because the regulation applies to any demolition or renovation (as outlined in 40 CFR 61.145) of buildings containing asbestos at the installation.

Other Regulatory Determinations

- 1) Permit Condition PW002 exists at the request of the installation in order to insure that this installation is not a major source for hazardous air pollutants. The installation has stated that it will keep summary information available at the site that will demonstrate on a twelve-month rolling period that it is in compliance with this permit condition.
- 2) The Chem Lab test area, R&D hose test area, tensioner test area, R&D automotive belt test area, R&D Banbury Mix, Mill Mix and compounding are all emission units listed under insignificant activities in the application and are possible sources of a very small quantity of PM emissions (less than 0.1 tpy). These emission units are exempted from Title V requirements because they qualify as laboratory equipment used exclusively for physical and chemical analysis or experimentation.

Other emission units that were not listed in the "Emission Units with Limitations" are the rebrand area, belt branding, creel room, drum brake areas and belt humidifier units. These units have been listed as insignificant activities in the application. The potential emissions of particulate matter from all these units are less than 0.5 pounds per hour (0.1 tpy), which exempts them from the requirements of 10 CSR 10-6.400 *Restriction of Emission of Particulate Matter From Industrial Processes*.

The emergency generator is considered an insignificant emission unit; it has a rated heat input of less than one MMBTU/hr, so the potential emissions from the unit fall below regulatory limits. The Bryant boiler is also considered to be an insignificant emission unit. It is fueled with natural gas, and rated at 4.4 MMBTU/hr, so the potential emissions from the unit fall below regulatory limits.

- 3) 10 CSR 10-6.260, *Restriction of Emission of Sulfur Compounds*
 - a) 10 CSR 10-6.260(5)(B) *Restriction of Emission of Sulfur Compound* limits the sulfur dioxide emissions from indirect heating sources to eight pounds per million BTUs actual heat input. According to Carlisle Power Transmission Products, Inc.'s 1999 EIQ, the sulfur content of the no. 6 fuel oil is 1.5% by weight. The following mass balance on the sulfur in the fuel oil demonstrates compliance with this regulation:

Assumptions:

LHV of No. 6 Fuel Oil = 17,410 Btu/lb

Maximum Sulfur Content = 0.015 lb S/lb Fuel Oil

0.015 lb S/lb Fuel Oil ÷ 0.01741 MMBtu/lb = 0.8616 lb S/MMBtu

0.8616 lb S/MMBtu x 64 lb SO₂/lbmol ÷ 32 lb S/lbmol = 1.72 lb SO₂/MMBtu

The sulfur content in the fuel oil has been limited to 1.5%, therefore, the installation will be in compliance with this part of the sulfur rule, 10 CSR 10-6.260(5)(B), at all times.

- b) 10 CSR 10-6.260,(4) *Restriction of Emission of Sulfur Compound* limits the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010, Ambient Air Quality Standards. A table and discussion of this part of the 10 CSR 10-6.260, *Restriction of Emission of Sulfur Compounds* regulation will be discussed in greater detail in no. 7 of the statement of basis.
- 4) 10 CSR 10-4.040, *Maximum Allowable Emissions of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating*.
County Regulation Article V- *Springfield-Greene County, Air Pollution Control Authority Emissions of Particulate Matter from Fuel Burning Equipment*.

The following table presents hourly PM₁₀ emissions from the combustion of fuel at these emission units (EU) for indirect heating and demonstrates PM₁₀ compliance to the regulations. Total heat input from the installation Q(MMBTU/hr) is the sum of the heat inputs from individual equipment burning fuel for indirect heating. Boilers EU0100, EU0110 and EU0120 are derated from the nameplate capacity of 38.3 MMBTU/hr, 61.7 MMBTU/hr and 48.0 MMBTU/hr respectively. The boilers were modeled (for ambient impacts of sulfur oxides) at the derated rates, so the applicant has agreed to the listed rates as maximums for the purposes of permitting. In addition, the applicant has determined that the boilers provide adequate service at these ratings, and maintenance has proved much easier at the listed ratings.

Emission Unit No.	Description	Heat Input Q (MMBTU/hr)	Allowable PM ₁₀ rate (lb/MMBTU)	Allowable PM ₁₀ rate (lb/hr)	EU Potential PM ₁₀ rate (lb/hr)	Combustion Fuel
EU0100	Babcock & Wilcox Boiler	20.4	0.40	8.16	1.36	No. 6 fuel oil
					0.15	natural gas
EU0110	Keeler Boiler	45.2	0.40	18.08	3.01	No. 6 fuel oil
					0.33	natural gas
EU0120	Cleaver Brooks Boiler	34.0	0.40	13.6	2.27	No. 6 fuel oil
					0.25	natural gas
	Bryant Boiler	4.40	0.40	2.6	0.03	natural gas
EU0150	3-C Cord Machine	1.50	0.40	0.90	0.01	natural gas
EU0160	3-C Cord Machine	1.50	0.40	0.90	0.01	natural gas
	TOTAL Q	107				

Total Q = Sum of individual heat inputs.

The emission limitation for each of the emission units listed above is determined by using the equation listed in 10 CSR 10-4.040 *Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used for Indirect Heating*. $E = 0.90 \times (Q)^{-0.174}$ where E is the emission limit in lb/MMBTU and Q (MMBTU/hr) is the total heat input for the installation.

Therefore $E = 0.90 \times (107)^{-0.174} = 0.40$ lb/MMBTU.

Compliance with this emission limit is verified by calculating the individual emission unit (EU) potential hourly PM₁₀ emissions using the respective maximum hourly design rates (MHDR) and emission factors.

Example Calculations:

When combusting No. 6 fuel oil, the emission factor is 10 lb/1000 gal (source: AP-42). The heat content of the fuel oil is 150 MMBTU per 1000 gallons.

EU0100

$$[20.4 \text{ (MMBtu/hr)MHDR}] / 150 \text{ (MMBtu/10}^3 \text{ Gal)} = 136 \text{ Gal/hr}$$

$$\text{Potential PM}_{10} \text{ Rate} = 136 \text{ gal/hr} \times 10 \text{ lb/10}^3 \text{ gal} = 1.36 \text{ lb/hr}$$

$$\text{Allowable PM}_{10} \text{ rate} = 0.40 \text{ lb/MMBTU} \times 20.4 \text{ MMBTU/hr} = 8.16 \text{ lb/hr.}$$

$$1.36 \text{ lb/hr} < 8.16 \text{ lb/hr} \quad \gg \text{ Compliance}$$

EU0110

$$[45.2 \text{ (MMBtu/hr)MHDR}] / 150 \text{ (MMBtu/10}^3 \text{ Gal)} = 301 \text{ Gal/hr}$$

$$\text{Potential PM}_{10} \text{ Rate} = 301 \text{ gal/hr} \times 10 \text{ lb/10}^3 \text{ gal} = 3.01 \text{ lb/hr}$$

$$\text{Allowable PM}_{10} \text{ rate} = 0.40 \text{ lb/MMBTU} \times 45.2 \text{ MMBTU/hr} = 18.08 \text{ lb/hr.}$$

$$3.01 \text{ lb/hr} < 18.08 \text{ lb/hr} \quad \gg \text{ Compliance}$$

EU0120

$$[34 \text{ (MMBtu/hr)MHDR}] / 150 \text{ (MMBtu/10}^3 \text{ Gal)} = 227 \text{ Gal/hr}$$

$$\text{Potential PM}_{10} \text{ Rate} = 227 \text{ gal/hr} \times 10 \text{ lb/10}^3 \text{ gal} = 2.27 \text{ lb/hr}$$

$$\text{Allowable PM}_{10} \text{ rate} = 0.40 \text{ lb/MMBTU} \times 34 \text{ MMBTU/hr} = 13.6 \text{ lb/hr.}$$

$$2.27 \text{ lb/hr} < 13.6 \text{ lb/hr} \quad \gg \text{ Compliance}$$

Bryant Boiler

$$[4.4 \text{ (MMBtu/hr)MHDR}] / 1050 \text{ (Btu/ft}^3 \text{)} = 4,190 \text{ ft}^3 \text{/hr}$$

$$\text{Potential PM}_{10} \text{ Rate} = 4,190 \text{ ft}^3 \text{/hr} \times 7.6 \text{ lb} / 10^6 \text{ ft}^3 = 0.032 \text{ lb/hr}$$

$$\text{Allowable PM}_{10} \text{ rate} = 0.6 \text{ lb/MMBTU} \times 4.4 \text{ MMBTU/hr} = 2.6 \text{ lb/hr.}$$

$$0.032 \text{ lb/hr} < 2.6 \text{ lb/hr} \quad \gg \text{ Compliance}$$

Since the potential PM₁₀ emission rates from the emission units are less than the allowable emission rates under the regulation, the emission units will be in compliance.

- 6) 10 CSR 10-6.260(4), 10 CSR 10-6.010, *Ambient Air Quality Standards*. The ambient air quality impacts for SO₂ were determined using Version 00101 of the Industrial Source Complex Short Term (ISCST3) dispersion model. The maximum ambient impacts for SO₂ was based on the maximum hourly design rate (MHDR) of the three boilers that emit sulfur dioxide at the installation. The following table lists the modeled concentrations of SO₂.

SCREEN3 Model Maximum Predicted Concentrations				
Pollutant	Averaging Period	Predicted Facility Impacts ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)	Possible Violation of NAAQS?
SO ₂ ^a	3-Hour	711	1300	No
	24-Hour	292	365	No
	Annual	60.4	80	No
^a SO ₂ impacts are based on emissions from the Boilers (EU0100-EU0120)				

- 7) 10 CSR 10-6.400, *Restriction of Emissions of Particulate Matter from Industrial Processes* Article VI-Springfield-Greene County, Air Pollution Control Authority, *Restriction of Emissions of Particulate Matter from Industrial Processes*.

The following table lists hourly particulate matter emissions from emission units and demonstrates compliance to the state and county regulation.

Draft

Emission Unit No.	Description	MHDR ² (tph)	Emission factor (lb/ton)	Stack Flow Rate SCF/min	Allowable Emission Rate lb/hr	Control %	Maximum Emission Rate (lb/hr)	PM Emissions grains/SCF
EU0010 ^{1,2} EU0011 ^{1,2}	Raw Edge V Band	0.281	27.0	5,000	1.75	98 ²	0.15	0.004
						no control	7.6	0.18
EU0020 ²	Norton Grinder	0.819	1.782	5,000	3.59	98 ²	0.029	0.001
						no control	1.46	0.03
EU0030 EU0040 EU0050	Sag/Profiler/ Skiver/Grinder	0.067	0.0852	5,000	0.67	47.12	0.003	0.0001
						no control	0.006	0.0001
EU0060 ¹	Form Grind	0.18	27.0	5,000	1.30	94.0	0.292	0.007
						no control	4.86	0.11
EU0070 ^{1,2}	Timesaver Grinder	0.819	1.782	6,715	3.59	96 ²	0.058	0.001
						no control	1.46	0.025
EU0080 ¹ EU0090 ¹	Poly Rib Profilers	0.281	27.0	6,943	1.75	96	0.303	0.005
						no control	7.59	0.13
EU0130 ¹	Banbury Body Mixing	5.778	14.36	14,795	13.279	94	4.978	0.039
						no control	82.97	0.65
EU0150	3-C Cord Machine-Natural Gas fired Oven Stack No. 3	0.639	0.965	1,576	3.037	0	0.617	0.046
EU0160	3-C Cord Machine-Natural Gas fired Oven Stack No. 4	0.639	0.965	1,576	3.037	0	0.617	0.046
EU0180	Mill Mixing	0.873	0.9844	7,500	3.743	39.5	0.52	0.008
						no control	0.86	0.01
EU0190	Neoprene Hopper	2	0.24	5,000	6.523	0	0.48	0.011
EU0200	Pre Compound	0.312	0.24	3,000	1.879	0	0.075	0.003
EU0210	Carbon Black Unloading	10.417	0.25	No Stack	19.7	0	2.604	No Stack

¹ Use of a control device is necessary while operating these emission units in order to be in compliance with allowable particulate emission limits.

Note:

1. The emission units in the table above that indicate compliance without the use of a control device will be required to maintain sample calculations in the record keeping attachments. This will include EU0030 through EU0050.
2. All emission units can demonstrate compliance for compliance with the 0.3 gr/scf emission limit. The compliance calculations were based on the stack parameters listed in the 1999 EIQ and the maximum hourly design rate for PM (MHDR) and will be included in the record keeping attachments.

² Control and capture efficiencies for emission units EU0010, EU0011, EU0020 were taken as 98%, and EU0070 was taken as 96% instead of much more conservative values taken in the 1999 EIQ. This decision was based on information supplied in the letter from Carlisle Power Transmission Products, Inc. dated October 18, 1999 and subsequent conversations held with Jon Schimpf of Carlisle Power Transmission Products, Inc. A capture efficiency of 99% is based on an engineering estimate which took into consideration the actual operating capture velocity ranges for the control devices, total hood enclosures and guidance provided in Industrial Ventilation Manual (20th edition). Control efficiencies were chosen as 99% for the wet rotoclones for PM emissions based on control efficiency curves (wet collector performance curves) supplied by Carlisle Power Transmission Products, Inc. and manufacturer's recommended control efficiency for the rotoclones. Overall control efficiencies of 98% and 96% were therefore used in estimating PM emissions.

Sample Calculations:

EU0190, the process weight rate (P) is 2 tons per hour. Since this is less than 60,000 lb/hr, the PM₁₀ emission limit (E) in lb/hr is calculated by using:

$$E = 4.1 \times P^{0.67} = 4.1 \times 2^{0.67} = 6.523 \text{ lb/hr}$$

Maximum emission rate (lb/hr) = MHDR x EF x (1-Control %/100)

$$\text{Maximum emission rate (lb/hr)} = 2 \times 0.24 \times ((100-0)/100) = 0.48 \text{ lb/hr}$$

Since the maximum hourly emission rate is less than the allowable rate, the emission unit will be in compliance with the process weight rule, 10 CSR 10-6.400. The procedure will be similar for all the EUs in the table and the results are listed in the table.

8) 10 CSR 10-6.220, *Restriction of Emission of Visible Air Contaminants*

Article IV, *Restriction of Emission of Visible Air Contaminants from Equipment*

There will be no monitoring, record keeping, or reporting requirements when emission units combust natural gas. However when the emission unit is combusting no.6 fuel oil or waste oil, the installation will be required to follow the monitoring, record keeping and reporting requirements as outlined in the regulation.

Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis

Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons:

1. The specific pollutant regulated by that rule is not emitted by the installation;
2. The installation is not in the source category regulated by that rule;
3. The installation is not in the county or specific area that is regulated under the authority of that rule;
4. The installation does not contain the type of emission unit which is regulated by that rule;
5. The rule is only for administrative purposes

Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine and demonstrate, to the APCP's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the APCP a schedule for achieving compliance for that regulation(s).

Prepared by:

Michael J. Stansfield, P.E.
Environmental Engineer

Mr. James Chipman
Plant Manager
Carlisle Power Transmission Products, Inc.
2601 West Battlefield Road
Springfield, MO 65807

CERTIFIED MAIL:
RETURN RECEIPT REQUESTED

Re: Carlisle Power Transmission Products, Incorporated; Installation ID Number: 077-0004
Permit Number: **OP**

Dear Mr. Chipman:

Enclosed with this letter is your Part 70 operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance. It is very important that you read and understand the requirements contained in your permit.

If you have any questions or need additional information regarding this permit, please contact the Air Pollution Control Program (APCP) at (573) 751-4817, or you may write to the Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Pamela S. Muren, P.E.
Operating Permits Unit Chief

PSM/msd

Enclosures

c: Ms. Harriett Jones, US EPA Region VII
Mr. Brian Adams, Springfield Health Department
PAMS File: 1999-08-046

Mr. Jon Schimpf
Carlisle Power Transmission Products, Inc.
2601 West Battlefield Road
Springfield, MO 65807

CERTIFIED MAIL: 7002 0860 0007 6970 8316
RETURN RECEIPT REQUESTED

RE: Draft Part 70 Operating Permit – Project Number: 1999-08-046

Dear Mr. Schimpf:

The Air Pollution Control Program (APCP) has completed the preliminary review of your Part 70 (Title V) permit application. A public notice will be placed in the *Springfield News-Leader* in Springfield, Missouri on Sunday, December 7, 2003.

The APCP will accept comments regarding the draft permit that are postmarked on or before the closing date. It is very important that you read and understand this legal document. You will be held responsible for complying with this document.

Please address comments or recommendations for changes to my attention at:

Operating Permits Unit
Air Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102

A copy of this draft has also been sent to the U.S. EPA's Region VII office in Kansas City for their review. The Region VII office is afforded, by law, oversight authority on any Title V permit which Missouri (or any of the other states in the region) may propose to issue. A public hearing may be held if interest is expressed by the public.

Should you have any questions, or wish clarification on any items in this draft permit, please feel free to contact me at (573) 751-4817, or you may write to me at the address listed above. Thank you for your time and attention.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Environmental Engineer

MJS/dg

Enclosures

c: PAMS File: 1999-08-046

Mr. Keith Michaels, Chief
Division of Air Pollution Control
Arkansas Department of Pollution Control & Ecology
8001 National Drive
P.O. Box 8913
Little Rock, AR 72219-8913

RE: Affected States Review – Notification of Proposed Final Part 70 Operating Permit

Dear Mr. Michaels:

In accordance with Missouri State Rule 10 CSR 10-6.065(6)(F)1. and the Clean Air Act this letter is to notify you of public notice of the preliminary draft and request for comments for:

Carlisle Power Transmission Products, Incorporated in Springfield, Missouri
Project Number - 1999-08-046

Public notice will be published in the *Springfield News-Leader* in Springfield, Missouri on December 7, 2003.

You are invited to submit any relevant information, materials, and views in support of or in opposition to the draft operating permits in writing by no later than January 6, 2004 to my attention at the Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Should you require further information or documentation on this matter, please contact the Operating Permits Unit at (573) 751-4817, or you may write to the address listed above. Thank you for your time and attention.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Pamela S. Muren, P.E.
Operating Permits Unit Chief

PSM/msd

c: PAMS File: 1999-08-046